

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION

5 Entitled : A FUEL METERING UNIT WITH A COMPENSATED
 REGULATOR VALVE IN A TURBOMACHINE

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ABSTRACT OF THE DISCLOSURE

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 A fuel metering unit in a turbomachine is connected
between a high pressure pump which draws fuel from a fuel
tank and a plurality of fuel injectors disposed in a
combustion chamber of the turbomachine, the unit
20 comprises a meter which receives the fuel for injection
from a regulator valve at a pressure P1 and delivers it
at a pressure P2 to said plurality of injectors via a
stop valve, said regulator valve serving to recirculate
fuel back to said high pressure pump as a function of the
25 pressure difference between pressures taken directly from
the terminals of the meter and injected into two end
inlets of the regulator valve.